

10/758, 335

1/8/2007

Connecting via Winsock to STN

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LOGINID: SSPTAJDA1614

PASSWORD:

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* * * * * * * * * * * * * * * Welcome to STN International * * * * * * * * * * * * * * *

| | | | |
|--------------|----|--------------------|--|
| NEWS | 1 | | Web Page for STN Seminar Schedule - N. America |
| NEWS | 2 | AUG 06 | CAS REGISTRY enhanced with new experimental property tags |
| NEWS | 3 | AUG 06 | FSTA enhanced with new thesaurus edition |
| NEWS | 4 | AUG 13 | CA/CAplus enhanced with additional kind codes for granted patents |
| NEWS | 5 | AUG 20 | CA/CAplus enhanced with CAS indexing in pre-1907 records |
| NEWS | 6 | AUG 27 | Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB |
| NEWS | 7 | AUG 27 | USPATOLD now available on STN |
| NEWS | 8 | AUG 28 | CAS REGISTRY enhanced with additional experimental spectral property data |
| NEWS | 9 | SEP 07 | STN AnaVist, Version 2.0, now available with Derwent World Patents Index |
| NEWS | 10 | SEP 13 | FORIS renamed to SOFIS |
| NEWS | 11 | SEP 13 | INPADOCDB enhanced with monthly SDI frequency |
| NEWS | 12 | SEP 17 | CA/CAplus enhanced with printed CA page images from 1967-1998 |
| NEWS | 13 | SEP 17 | CAplus coverage extended to include traditional medicine patents |
| NEWS | 14 | SEP 24 | EMBASE, EMBAL, and LEMBASE reloaded with enhancements |
| NEWS | 15 | OCT 02 | CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt |
| NEWS | 16 | OCT 19 | BEILSTEIN updated with new compounds |
| NEWS | 17 | NOV 15 | Derwent Indian patent publication number format enhanced |
| NEWS | 18 | NOV 19 | WPIX enhanced with XML display format |
| NEWS | 19 | NOV 30 | ICSD reloaded with enhancements |
| NEWS | 20 | DEC 04 | LINPADOCDB now available on STN |
| NEWS | 21 | DEC 14 | BEILSTEIN pricing structure to change |
| NEWS | 22 | DEC 17 | USPATOLD added to additional database clusters |
| NEWS | 23 | DEC 17 | IMSDRUGCONF removed from database clusters and STN |
| NEWS | 24 | DEC 17 | DGENE now includes more than 10 million sequences |
| NEWS | 25 | DEC 17 | TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment |
| NEWS | 26 | DEC 17 | MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary |
| NEWS | 27 | DEC 17 | CA/CAplus enhanced with new custom IPC display formats |
| NEWS | 28 | DEC 17 | STN Viewer enhanced with full-text patent content from USPATOLD |
| NEWS | 29 | JAN 02 | STN pricing information for 2008 now available |
| NEWS EXPRESS | | 19 SEPTEMBER 2007: | CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007. |
| NEWS HOURS | | | STN Operating Hours Plus Help Desk Availability |
| NEWS LOGIN | | | Welcome Banner and News Items |
| NEWS IPC8 | | | For general information regarding STN implementation of IPC |

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILED : HOME : ENTERED AT 11:52:36 ON 08 JAN 2008

=> file registry
COST IN U.S. DOLLARS

FULL ESTIMATED COST

| | | | |
|---------------------|------|------------------|------|
| SINCE FILE
ENTRY | 0.21 | TOTAL
SESSION | 0.21 |
|---------------------|------|------------------|------|

FILE 'REGISTRY' ENTERED AT 11:53:00 ON 08 JAN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 7 JAN 2008 HIGHEST RN 960112-28-1
DICTIONARY FILE UPDATES: 7 JAN 2008 HIGHEST RN 960112-28-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

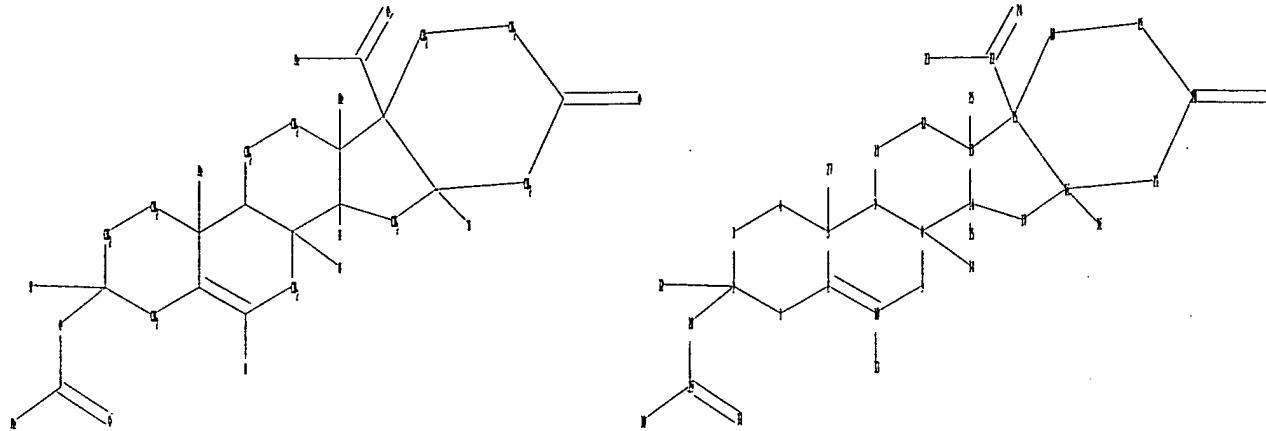
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10758335_II_new.str



chain nodes :
 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36
 ring nodes :
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
 chain bonds :
 2-28 2-32 5-27 8-34 10-33 13-25 14-35 15-22 16-36 20-26 22-23 22-24
 28-29 29-30 29-31
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-14 9-10 11-12 12-13
 13-14 13-15 14-17 15-16 15-18 16-17 16-21 18-19 19-20 20-21
 exact/norm bonds :
 1-2 1-6 2-3 2-28 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-14 9-10 11-12
 12-13 13-14 13-15 14-17 15-16 15-18 16-17 16-21 18-19 19-20 20-21 20-26
 22-24 28-29 29-31
 exact bonds :
 2-32 5-27 8-34 10-33 13-25 14-35 15-22 16-36 22-23 29-30

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
 20:Atom 21:Atom 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS
 28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS
 36:CLASS

L1 STRUCTURE UPLOADED

```
=> s 11 exa full
FULL SEARCH INITIATED 11:53:27 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 82 TO ITERATE
```

100.0% PROCESSED 82 ITERATIONS
SEARCH TIME: 00.00.01

1 ANSWERS

L2 1 SEA EXA FUL L1

=> d 12

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN

RN 83117-73-1 REGISTRY

ED Entered STN: 16 Nov 1984

CN 16,24-Cyclo-21-norchol-5-en-23-one, 17-acetyl-3-(acetyloxy)-,
(3 β ,16 β ,17 α)- (9CI) (CA INDEX NAME)

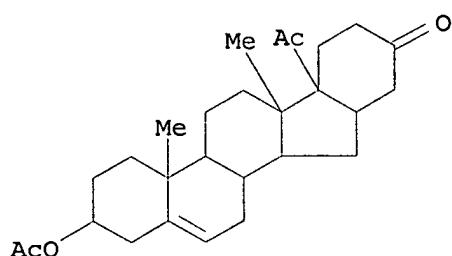
OTHER CA INDEX NAMES:

CN 9H-Indeno[2,1-a]phenanthrene, 16,24-cyclo-21-norchol-5-en-23-one deriv.

MF C27 H38 O4

LC STN Files: BEILSTEIN*, CA, CAPLUS, USPATFULL

(*File contains numerically searchable property data)



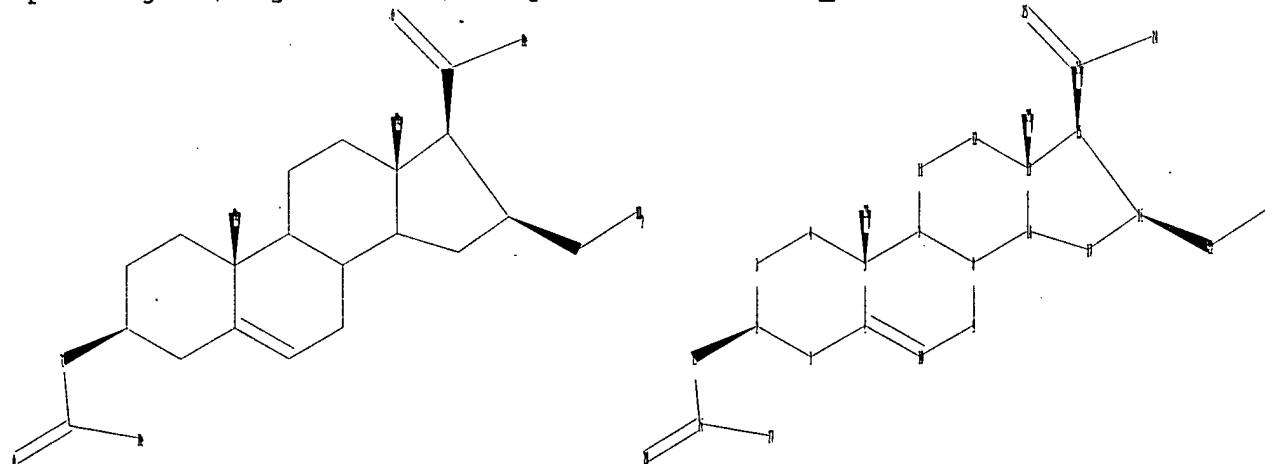
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1907 TO DATE)

4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>

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chain nodes :

18 19 20 21 22 23 24 25 26 27 28

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

chain bonds :

2-19 5-18 13-20 15-21 16-22 19-26 21-24 21-25 22-23 26-27 26-28

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-14 9-10 11-12 12-13
13-14 13-15 14-17 15-16 16-17

```
exact/norm bonds :  
1-2 1-6 2-3 2-19 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-14 9-10 11-12  
12-13 13-14 13-15 14-17 15-16 16-17 19-26 21-25 22-23 26-28  
exact bonds :  
5-18 13-20 15-21 16-22 21-24 26-27
```

```
Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS  
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS  
28:CLASS
```

Stereo Bonds:

```
18-5 (Single Wedge).  
19-2 (Single Wedge).  
20-13 (Single Wedge).  
21-15 (Single Wedge).  
22-16 (Single Hash).
```

Stereo Chiral Centers:

```
2 (Parity=Odd)  
5 (Parity=Even)  
13 (Parity=Even)  
15 (Parity=Odd)  
16 (Parity=Even)
```

Stereo RSS Sets:

```
Type=Relative (Default). 5 Nodes= 2 5 13 15 16
```

```
L3 STRUCTURE UPLOADED
```

```
=> s 13 exa full  
FULL SEARCH INITIATED 11:54:02 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 18 TO ITERATE
```

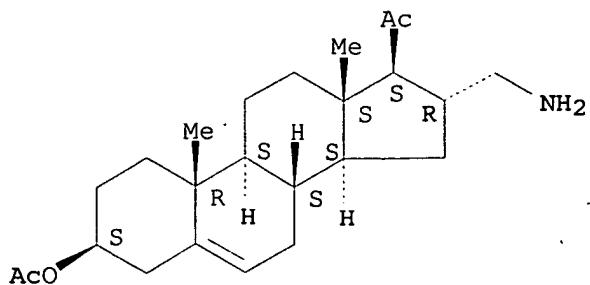
```
100.0% PROCESSED 18 ITERATIONS 1 ANSWERS  
SEARCH TIME: 00.00.01
```

```
L4 1 SEA EXA FUL L3
```

```
=> d 14
```

```
L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 404886-31-3 REGISTRY  
ED Entered STN: 10 Apr 2002  
CN Pregn-5-en-20-one, 3-(acetoxy)-16-(aminomethyl)-, (3β,16α)-  
(9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
DR 23738-13-8  
MF C24 H37 N O3  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL
```

Absolute stereochemistry.

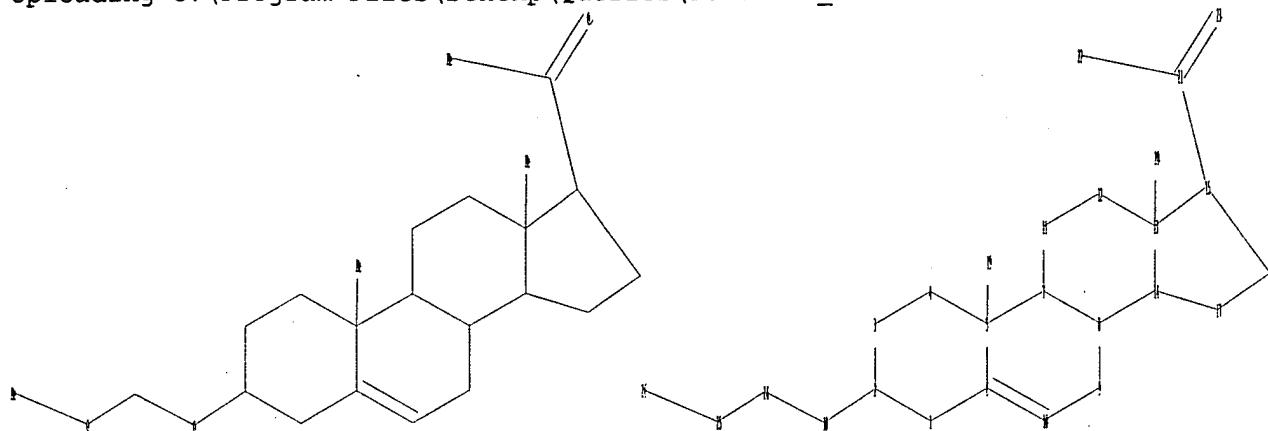


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>

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chain nodes :

18 19 20 21 22 23 24 25 26

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

chain bonds :

2-18 5-19 13-20 15-21 18-24 21-22 21-23 24-25 25-26

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-14 9-10 11-12 12-13
13-14 13-15 14-17 15-16 16-17

exact/norm bonds :

1-2 1-6 2-3 2-18 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-14 9-10 11-12
12-13 13-14 13-15 14-17 15-16 16-17 18-24 21-23 24-25

exact bonds :

5-19 13-20 15-21 21-22 25-26

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS

L5 STRUCTURE UPLOADED

=> s 15 exa full
FULL SEARCH INITIATED 11:54:30 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 19 TO ITERATE

100.0% PROCESSED 19 ITERATIONS
SEARCH TIME: 00.00.01

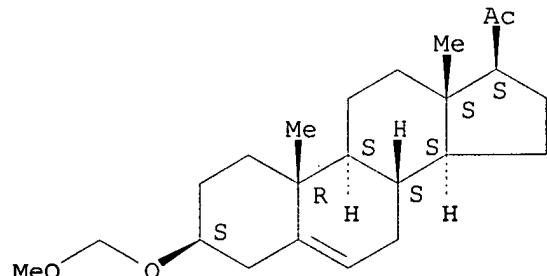
1 ANSWERS

L6 1 SEA EXA FUL L5

=> d 16

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN
RN 23328-05-4 REGISTRY
ED Entered STN: 16 Nov 1984
CN Pregn-5-en-20-one, 3-(methoxymethoxy)-, (3 β)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Pregn-5-en-20-one, 3 β -(methoxymethoxy)- (7CI, 8CI)
OTHER NAMES:
CN 3-O-Methoxymethyl-5-pregn-3 β -ol-20-one
CN NSC 64992
FS STEREOSEARCH
MF C23 H36 O3
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, TOXCENTER, USPAT2,
USPATFULL, USPATOLD
(*File contains numerically searchable property data)

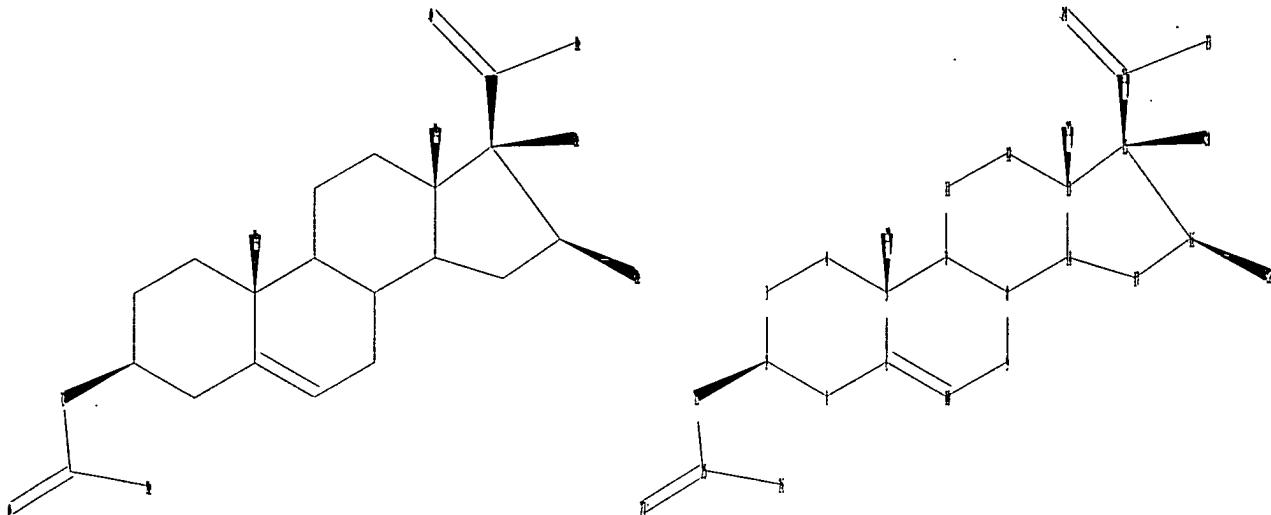
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

15 REFERENCES IN FILE CA (1907 TO DATE)
15 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=>
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chain nodes :

18 19 20 21 22 23 24 25 26 27 28

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

chain bonds :

2-19 5-18 13-20 15-21 15-28 16-22 19-25 21-23 21-24 25-26 25-27

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-14 9-10 11-12 12-13

13-14 13-15 14-17 15-16 16-17

exact/norm bonds :

1-2 1-6 2-3 2-19 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-14 9-10 11-12

12-13 13-14 13-15 14-17 15-16 16-17 19-25 21-24 25-27

exact bonds :

5-18 13-20 15-21 15-28 16-22 21-23 25-26

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS
 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS
 28:CLASS

Stereo Bonds:

18-5 (Single Wedge).
 19-2 (Single Wedge).
 20-13 (Single Wedge).
 21-15 (Single Wedge).
 22-16 (Single Hash).
 28-15 (Single Hash).

Stereo Chiral Centers:

2 (Parity=Odd)
 5 (Parity=Even)
 13 (Parity=Even)
 15 (Parity=Odd)
 16 (Parity=Even)

Stereo RSS Sets:

Type=Relative (Default). 5 Nodes= 2 5 13 15 16

L7 STRUCTURE UPLOADED

=> s 17 exa full
FULL SEARCH INITIATED 11:54:57 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 20 TO ITERATE

100.0% PROCESSED 20 ITERATIONS
SEARCH TIME: 00.00.01

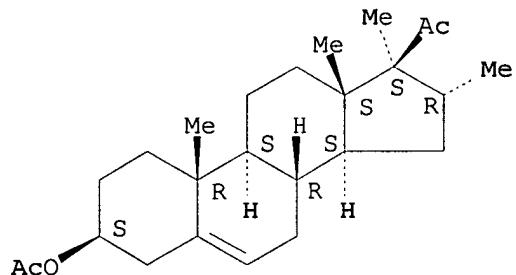
1 ANSWERS

L8 1 SEA EXA FUL L7

=> d 18

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN
RN 13116-52-4 REGISTRY
ED Entered STN: 16 Nov 1984
CN Pregn-5-en-20-one, 3-(acetyloxy)-16,17-dimethyl-, (3 β ,16 α)-
(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Pregn-5-en-20-one, 3 β -hydroxy-16 α ,17-dimethyl-, acetate (7CI,
8CI)
OTHER NAMES:
CN 16 α ,17 α -Dimethylpregnenolone acetate
FS STEREOSEARCH
MF C25 H38 O3
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, USPATFULL
(*File contains numerically searchable property data)

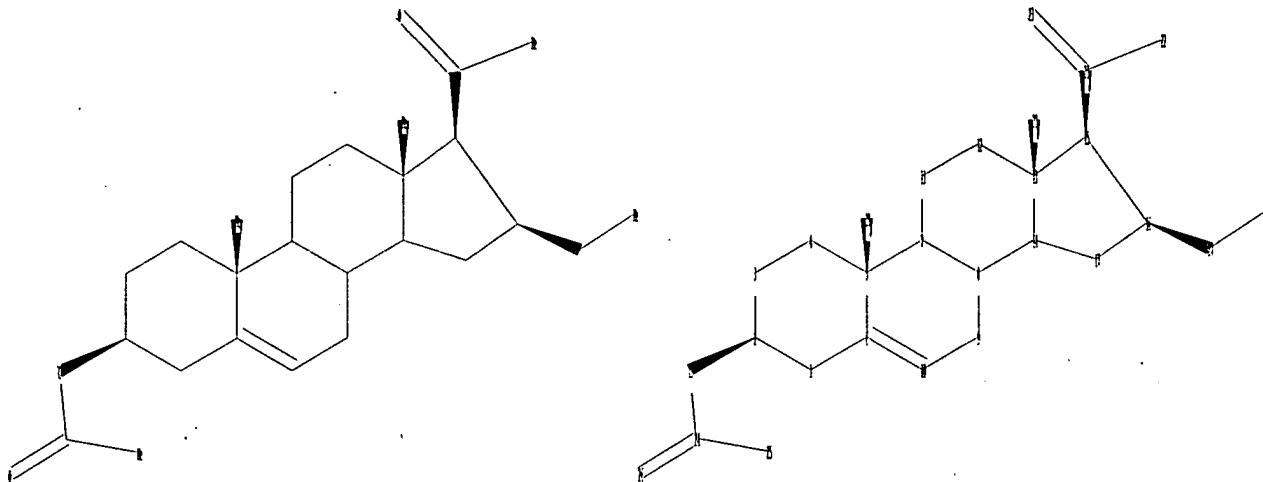
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

8 REFERENCES IN FILE CA (1907 TO DATE)
8 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=>
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chain nodes :

18 19 20 21 22 23 24 25 26 27 28

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

chain bonds :

2-19 5-18 13-20 15-21 16-27 19-24 21-22 21-23 24-25 24-26 27-28

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-14 9-10 11-12 12-13
13-14 13-15 14-17 15-16 16-17

exact/norm bonds :

1-2 1-6 2-3 2-19 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-14 9-10 11-12
12-13 13-14 13-15 14-17 15-16 16-17 19-24 21-23 24-26

exact bonds :

5-18 13-20 15-21 16-27 21-22 24-25 27-28

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS
28:CLASS

Stereo Bonds:

18-5 (Single Wedge).
19-2 (Single Wedge).
20-13 (Single Wedge).
21-15 (Single Wedge).
27-16 (Single Hash).

Stereo Chiral Centers:

2 (Parity=Odd)
5 (Parity=Even)
13 (Parity=Even)
15 (Parity=Odd)
16 (Parity=Even)

Stereo RSS Sets:

Type=Relative (Default). 5 Nodes= 2 5 13 15 16

L9 STRUCTURE UPLOADED

=> s 19 exa full
FULL SEARCH INITIATED 11:55:33 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 27 TO ITERATE

100.0% PROCESSED 27 ITERATIONS
SEARCH TIME: 00.00.01

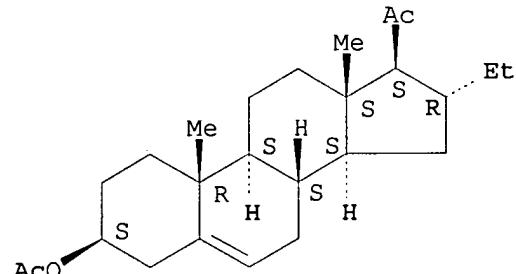
1 ANSWERS

L10 1 SEA EXA FUL L9

=> d 110

L10 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN
RN 5297-33-6 .REGISTRY
ED Entered STN: 16 Nov 1984
CN Pregn-5-en-20-one, 3-(acetyloxy)-16-ethyl-, (3 β ,16 α)- (9CI)
(CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Pregn-5-en-20-one, 16 α -ethyl-3 β -hydroxy-, acetate (6CI, 7CI,
8CI)
FS STEREOSEARCH
MF C25 H38 O3
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CHEMCATS, USPATFULL
(*File contains numerically searchable property data)

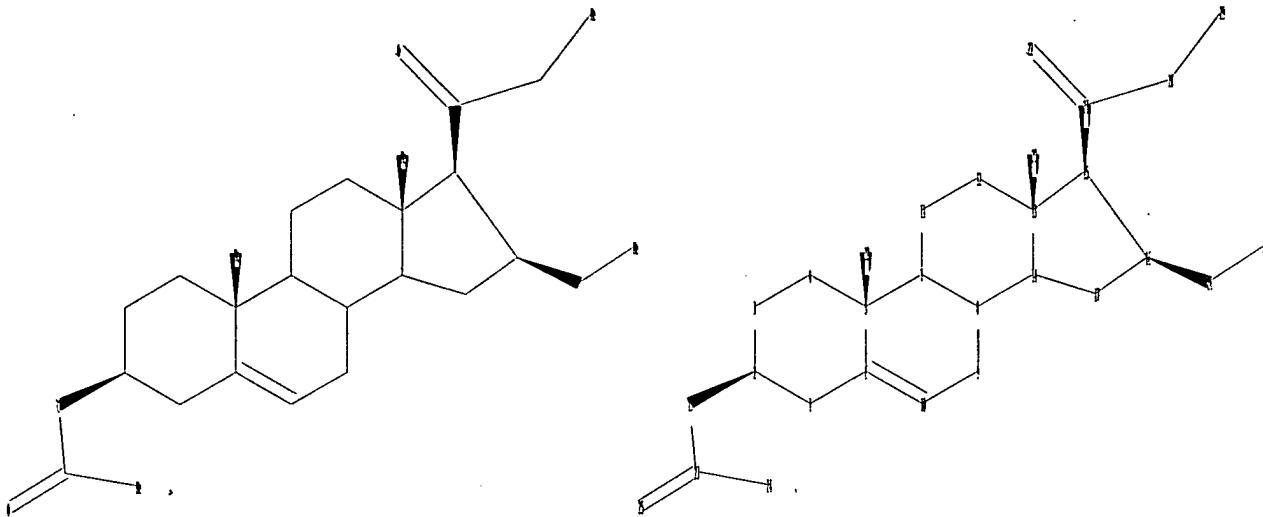
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES IN FILE CAPLUS (1907 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=>
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chain nodes :

18 19 20 21 22 23 24 25 26 27 28 29

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

chain bonds :

2-19 5-18 13-20 15-21 16-26 19-23 21-22 21-28 23-24 23-25 26-27 28-29

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-14 9-10 11-12 12-13
13-14 13-15 14-17 15-16 16-17

exact/norm bonds :

1-2 1-6 2-3 2-19 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-14 9-10 11-12
12-13 13-14 13-15 14-17 15-16 16-17 19-23 21-22 23-25

exact bonds :

5-18 13-20 15-21 16-26 21-28 23-24 26-27 28-29

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS
28:CLASS 29:CLASS

Stereo Bonds:

18-5 (Single Wedge).
19-2 (Single Wedge).
20-13 (Single Wedge).
21-15 (Single Wedge).
26-16 (Single Hash).

Stereo Chiral Centers:

2 (Parity=Odd)
5 (Parity=Even)
13 (Parity=Even)
15 (Parity=Odd)
16 (Parity=Even)

Stereo RSS Sets:

Type=Relative (Default). 5 Nodes= 2 5 13 15 16

L11 STRUCTURE UPLOADED

=> s l11 exa full
FULL SEARCH INITIATED 11:56:03 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 27 TO ITERATE

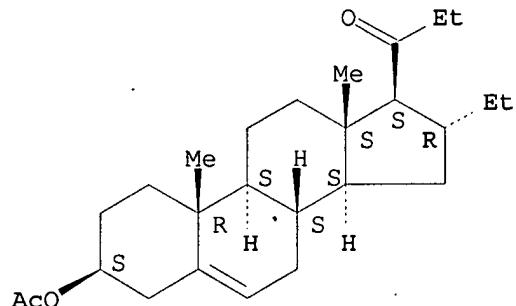
100.0% PROCESSED 27 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L12 1 SEA EXA FUL L11

=> d l12

L12 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN
RN 16321-62-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propanone, 1-[(3 β ,16 α ,17 β)-16-ethyl-3-(acetyloxy)androst-5-en-17-yl]-(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Propanone, 1-(16 α -ethyl-3 β -hydroxyandrost-5-en-17 β -yl)-, acetate (8CI)
FS STEREOSEARCH
MF C26 H40 O3
LC STN Files: CA, CAPLUS, USPATFULL

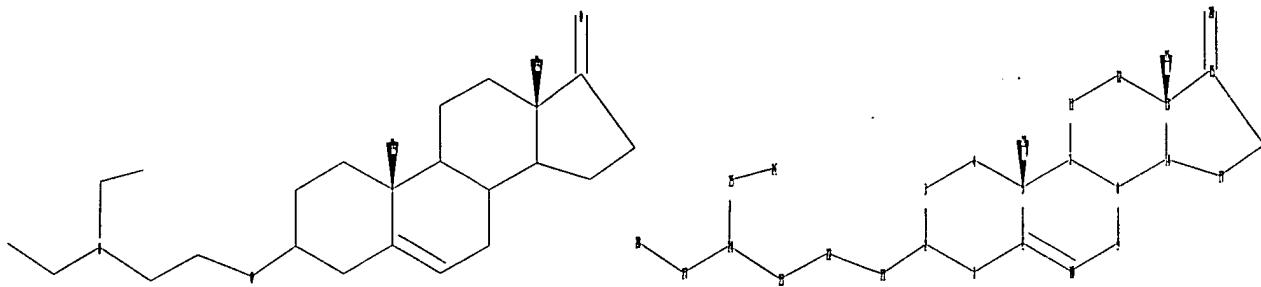
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>
Uploading C:\Program Files\Stnexp\Queries\10758335_VIII.str



chain nodes :

18 19 20 21 22 23 24 25 26 27 28

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

chain bonds :

2-21 5-18 13-19 15-20 21-22 22-23 23-24 24-25 24-27 25-26 27-28

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-14 9-10 11-12 12-13
13-14 13-15 14-17 15-16 16-17

exact/norm bonds :

1-2 1-6 2-3 2-21 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-14 9-10 11-12
12-13 13-14 13-15 14-17 15-16 15-20 16-17 21-22 23-24 24-25 24-27

exact bonds :

5-18 13-19 22-23 25-26 27-28

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS
28:CLASS

Stereo Bonds:

18-5 (Single Wedge).
19-13 (Single Wedge).

Stereo Chiral Centers:

5 (Parity=Even)
13 (Parity=Even)

Stereo RSS Sets:

Type=Relative (Default). 2 Nodes= 5 13

L13 STRUCTURE UPLOADED

=> s l13 exa full
FULL SEARCH INITIATED 11:56:35 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 170 TO ITERATE

100.0% PROCESSED 170 ITERATIONS
SEARCH TIME: 00.00.01

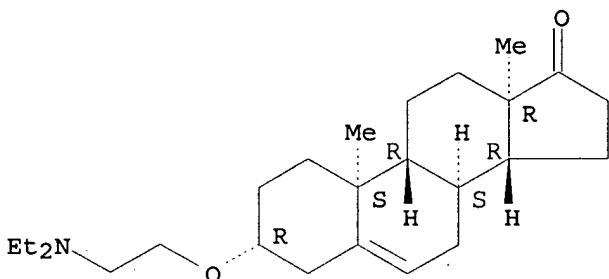
2 ANSWERS

L14 2 SEA EXA FUL L13

=> d 114

L14 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2008 ACS on STN
RN 864628-11-5 REGISTRY
ED Entered STN: 05 Oct 2005
CN Androst-5-en-17-one, 3-[2-(diethylamino)ethoxy]-,
(3 α ,8 α ,9 β ,10 α ,13 α ,14 β)- (9CI) (CA INDEX
NAME)
FS STEREOSEARCH
MF C25 H41 N O2
CI COM
SR CA

Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

=> d shi
'SHI' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data

IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.
The MAX format is the same as ALL.
The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):his
'HIS' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
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SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
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EPROP - Table of experimental properties
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ISTD -- STD format, indented

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OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):d his
'D' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
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SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.

HELP FORMATS -- To see detailed descriptions of the predefined formats.

ENTER DISPLAY FORMAT (IDE):ibib

'IBIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

| | |
|--------|---|
| REG | - RN |
| SAM | - Index Name, MF, and structure - no RN |
| FIDE | - All substance data, except sequence data |
| IDE | - FIDE, but only 50 names |
| SQIDE | - IDE, plus sequence data |
| SQIDE3 | - Same as SQIDE, but 3-letter amino acid codes are used |
| SQD | - Protein sequence data, includes RN |
| SQD3 | - Same as SQD, but 3-letter amino acid codes are used |
| SQN | - Protein sequence name information, includes RN |
| CALC | - Table of calculated properties |
| EPROP | - Table of experimental properties |
| PROP | - EPROP and CALC |

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

| | |
|-------|--|
| ABS | -- Abstract |
| APPS | -- Application and Priority Information |
| BIB | -- CA Accession Number, plus Bibliographic Data |
| CAN | -- CA Accession Number |
| CBIB | -- CA Accession Number, plus Bibliographic Data (compressed) |
| IND | -- Index Data |
| IPC | -- International Patent Classification |
| PATS | -- PI, SO |
| STD | -- BIB, IPC, and NCL |
| IABS | -- ABS, indented, with text labels |
| IBIB | -- BIB, indented, with text labels |
| ISTD | -- STD format, indented |
| OBIB | ----- AN, plus Bibliographic Data (original) |
| OIBIB | ----- OBIB, indented with text labels |
| SBIB | ----- BIB, no citations |
| SIBIB | ----- IBIB, no citations |

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help

messages:

```
HELP DFIELDS -- To see a complete list of individual display fields.  
HELP FORMATS -- To see detailed descriptions of the predefined formats.  
ENTER DISPLAY FORMAT (IDE):bib  
'BIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
```

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

```
REG - RN  
SAM - Index Name, MF, and structure - no RN  
FIDE - All substance data, except sequence data  
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SQD3 - Same as SQD, but 3-letter amino acid codes are used  
SQN - Protein sequence name information, includes RN  
  
CALC - Table of calculated properties  
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PROP - EPROP and CALC
```

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

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SBIB ----- BIB, no citations  
SIBIB ----- IBIB, no citations
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The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

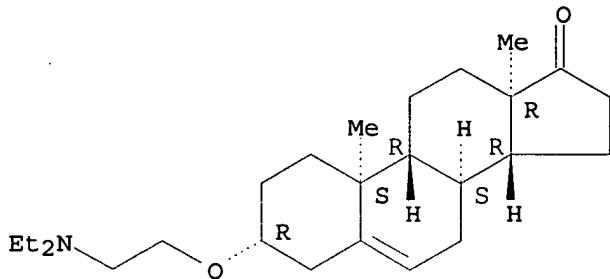
The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

```
HELP DFIELDS -- To see a complete list of individual display fields.  
HELP FORMATS -- To see detailed descriptions of the predefined formats.  
ENTER DISPLAY FORMAT (IDE):ide
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RN 864628-11-5 REGISTRY
 ED Entered STN: 05 Oct 2005
 CN Androst-5-en-17-one, 3-[2-(diethylamino)ethoxy]-,
 (3 α ,8 α ,9 β ,10 α ,13 α ,14 β)- (9CI) (CA INDEX
 NAME)
 FS STEREOSEARCH
 MF C25 H41 N O2
 CI COM
 SR CA

Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

| | | | |
|----------------------|--------|------------|---------|
| => file uspatfull | | SINCE FILE | TOTAL |
| COST IN U.S. DOLLARS | | ENTRY | SESSION |
| FULL ESTIMATED COST | 438.63 | 438.63 | 438.84 |

FILE 'USPATFULL' ENTERED AT 11:57:30 ON 08 JAN 2008
 CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 8 Jan 2008 (20080108/PD)
 FILE LAST UPDATED: 8 Jan 2008 (20080108/ED)
 HIGHEST GRANTED PATENT NUMBER: US7318238
 HIGHEST APPLICATION PUBLICATION NUMBER: US2008005821
 CA INDEXING IS CURRENT THROUGH 8 Jan 2008 (20080108/UPCA)
 ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 8 Jan 2008 (20080108/PD)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2007
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2007

=> s 12 or 14 or 16 or 18 or 110 or 112 or 114

1 L2
 1 L4
 2 L6
 1 L8
 2 L10
 1 L12
 1 L14

L15 3 L2 OR L4 OR L6 OR L8 OR L10 OR L12 OR L14

=> d 115 1-3 ibib, abs, hitstr

L15 ANSWER 1 OF 3 USPATFULL on STN
 ACCESSION NUMBER: 2003:24344 USPATFULL
 TITLE: Method for synthesizing 5 β , 6 β -epoxides of
 steroids by a highly beta-selective epoxidation of
 delta5-unsaturated steroids catalyzed by ketones
 INVENTOR(S): Yang, Dan, Hong Kong, HONG KONG

Jiao, Guan-Sheng, College Station, TX, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|---|------|---------------|
| PATENT INFORMATION: | US 2003018188 | A1 | 20030123 |
| | US 6841665 | B2 | 20050111 |
| APPLICATION INFO.: | US 2002-91627 | A1 | 20020306 (10) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 2001-788201, filed
on 16 Feb 2001, ABANDONED | | |

| | NUMBER | DATE |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 2000-183396P | 20000218 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | Sandra B. Weiss, Jones, Day, Reavis & Pogue, 77 West Wacker, Chicago, IL, 60601 | |
| NUMBER OF CLAIMS: | 63 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 35 Drawing Page(s) | |
| LINE COUNT: | 1928 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A general, efficient, and environmentally friendly method is provided for producing mostly β -epoxides of Δ .sup.5-unsaturated steroids using certain ketones as the catalyst along with an oxidizing agent, or by using certain dioxiranes. In another aspect of the invention, a method is provided for producing mostly 5 β ,6 β -epoxides of steroids from Δ .sup.5-unsaturated steroids having a substituent at the 3 α -position by an epoxidation reaction using a ketone along with an oxidizing agent under conditions effective to generate epoxides, or using a dioxirane under conditions effective to generate epoxides. A whole range of Δ .sup.5-unsaturated steroids, bearing different functional groups such as hydroxy, carbonyl, acetyl or ketal group as well as different side chains, were conveniently converted to the corresponding synthetically and biologically interesting 5 β ,6 β -epoxides with excellent β -selectivities and high yields.

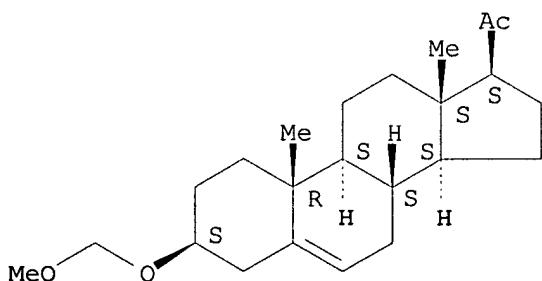
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 23328-05-4
(preparation of 5 β ,6 β -epoxides of steroids by β -selective
epoxidn. of A5-unsatd. steroids catalyzed by ketones)

RN 23328-05-4 USPATFULL

CN Pregn-5-en-20-one, 3-(methoxymethoxy)-, (3 β)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L15 ANSWER 2 OF 3 USPATFULL on STN

ACCESSION NUMBER: 2002:60938 USPATFULL

TITLE: Methods and compositions that affect melanogenesis

INVENTOR(S) : Orlow, Seth J., New York, NY, UNITED STATES

Hall, Andrea, New York, NY, UNITED STATES

Manga, Prashiela, New York, NY, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 2002034772 | A1 | 20020321 |
| APPLICATION INFO.: | US 2001-827428 | A1 | 20010406 (9) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 2000-599487, filed on 23 Jun 2000, PENDING | | |

| | NUMBER | DATE |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 1999-141563P | 19990629 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | ANN-LOUISE KERNER, PH.D., HALE AND DORR LLP, 60 STATE STREET, BOSTON, MA, 02109 | |
| NUMBER OF CLAIMS: | 92 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 19 Drawing Page(s) | |
| LINE COUNT: | 4216 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides methods of screening for compounds that affect melanogenesis and the function of P protein in organisms, cells, or cell-free systems. The invention further relates to pharmacologic and cosmetic uses of methods of inhibiting melanogenesis, methods of activating melanogenesis, and compounds and pharmacologic compositions useful for the inhibition or activation of melanogenesis and, therefore, for lightening or darkening the pigmentation of cells and tissue, i.e., skin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

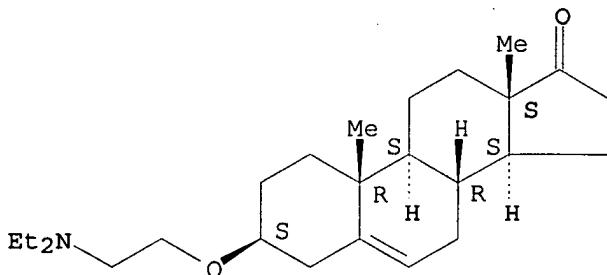
IT 2855-62-1 5297-33-6 13116-52-4
16321-62-3 23328-05-4 83117-73-1
404886-31-3

(methods and compns. that affect melanogenesis)

RN 2855-62-1 USPATFULL

CN Androst-5-en-17-one, 3-[2-(diethylamino)ethoxy]-, (3 β)- (CA INDEX NAME)

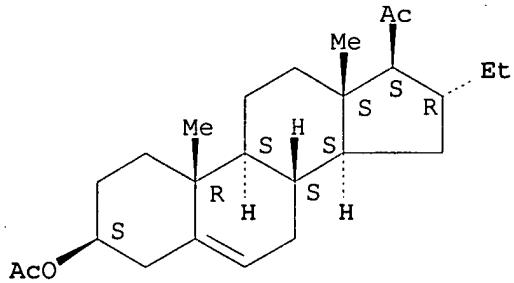
Absolute stereochemistry.



RN 5297-33-6 USPATFULL

CN Pregn-5-en-20-one, 3-(acetyloxy)-16-ethyl-, (3 β ,16 α)- (9CI)
(CA INDEX NAME)

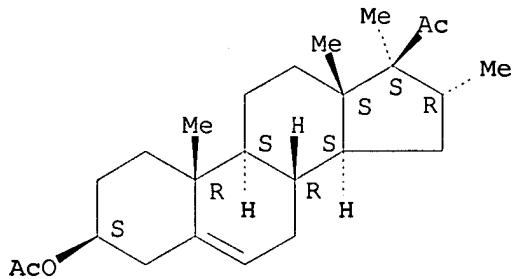
Absolute stereochemistry.



RN 13116-52-4 USPATFULL

CN Pregn-5-en-20-one, 3-(acetyloxy)-16,17-dimethyl-, (3 β ,16 α)- (9CI) (CA INDEX NAME)

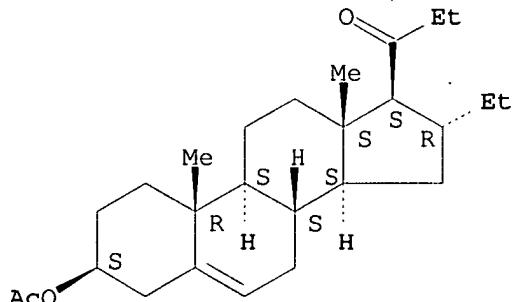
Absolute stereochemistry.



RN 16321-62-3 USPATFULL

CN 1-Propanone, 1-[(3 β ,16 α ,17 β)-16-ethyl-3-(acetyloxy)androst-5-en-17-yl] - (9CI) (CA INDEX NAME)

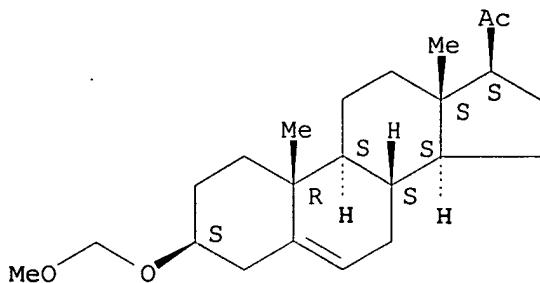
Absolute stereochemistry.



RN 23328-05-4 USPATFULL

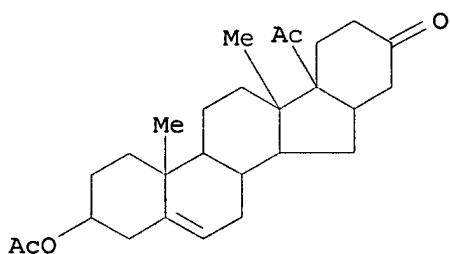
CN Pregn-5-en-20-one, 3-(methoxymethoxy)-, (3 β)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 83117-73-1 USPATFULL

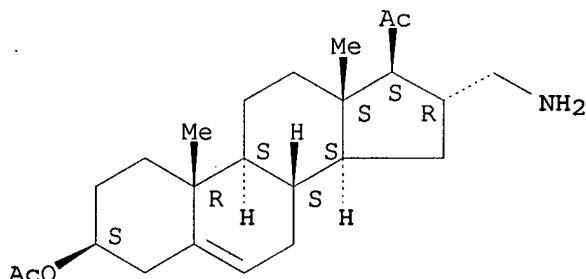
CN 16,24-Cyclo-21-norcholestan-5-en-23-one, 17-acetyl-3-(acetoxy)-,
(3β,16β,17α)- (9CI) (CA INDEX NAME)



RN 404886-31-3 USPATFULL

CN Pregn-5-en-20-one, 3-(acetoxy)-16-(aminomethyl)-, (3β,16α)-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



L15 ANSWER 3 OF 3 USPATFULL on STN

ACCESSION NUMBER: 1999:63417 USPATFULL

TITLE: Methylation or ethylation agent and process for
1,4-addition of a methyl or ethyl group to an α,
β-unsaturated keto compound

INVENTOR(S): Westermann, Jurgen, Berlin, Germany, Federal Republic
of

PATENT ASSIGNEE(S): Nickisch, Klaus, Berlin, Germany, Federal Republic of
Schering Aktiengesellschaft, Germany, Federal Republic
of (non-U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|--------------|----------|
| PATENT INFORMATION: | US 5908944 | | 19990601 |
| | WO 9306066 | | 19930401 |
| APPLICATION INFO.: | US 1994-211230 | 19940930 (8) | |
| | WO 1992-EP2227 | | 19920928 |

19940930 PCT 371 date
19940930 PCT 102(e) date

| NUMBER | DATE |
|-----------------------|---|
| PRIORITY INFORMATION: | DE 1991-4132755 |
| DOCUMENT TYPE: | Utility |
| FILE SEGMENT: | Granted |
| PRIMARY EXAMINER: | Dees, Jose G. |
| ASSISTANT EXAMINER: | Pryor, Alton |
| LEGAL REPRESENTATIVE: | Millen, White, Zelano, & Branigan, P.C. |
| NUMBER OF CLAIMS: | 21 |
| EXEMPLARY CLAIM: | 1 |
| LINE COUNT: | 980 |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention describes a new methylation or ethylation agent containing trimethyl aluminum or dimethyl zinc or triethyl aluminum as methyl or ethyl source, which additionally contains catalytic amounts of one or more copper(I) and/or copper(II) compounds as well as a process for the 1,4-addition of a methyl or ethyl group to an α,β -unsaturated or an α,β -double unsaturated ketone or an α,β -unsaturated aldehyde using the agent according to the invention.

By using only catalytic amounts of copper and a CKW (chlorinatedhydrocarbon)-free reaction medium, the new methylation/ethylation agent/process is distinguished by its environmental compatibility and it is, for example, suitable for the production of initial products for the synthesis of biologically effective compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

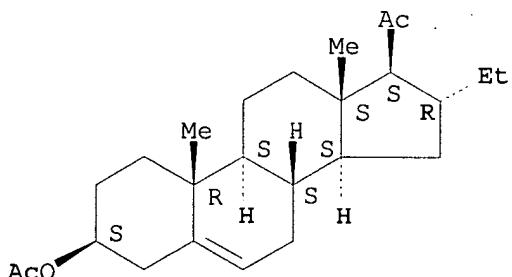
IT 5297-33-6P

(preparation of, via conjugate addition reaction using triethylaluminum and cuprous bromide)

RN 5297-33-6 USPATFULL

CN Pregn-5-en-20-one, 3-(acetyloxy)-16-ethyl-, (3 β ,16 α) - (9CI)
(CA INDEX NAME)

Absolute stereochemistry.



=> d his

(FILE 'HOME' ENTERED AT 11:52:36 ON 08 JAN 2008)

FILE 'REGISTRY' ENTERED AT 11:53:00 ON 08 JAN 2008

L1 STRUCTURE UPLOADED
L2 1 S L1 EXA FULL
L3 STRUCTURE UPLOADED
L4 1 S L3 EXA FULL
L5 STRUCTURE UPLOADED

L6 1 S L5 EXA FULL
L7 STRUCTURE uploaded
L8 1 S L7 EXA FULL
L9 STRUCTURE uploaded
L10 1 S L9 EXA FULL
L11 STRUCTURE uploaded
L12 1 S L11 EXA FULL
L13 STRUCTURE uploaded
L14 2 S L13 EXA FULL

FILE 'USPATFULL' ENTERED AT 11:57:30 ON 08 JAN 2008
L15 3 S L2 OR L4 OR L6 OR L8 OR L10 OR L12 OR L14

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 21.31 | 460.15 |

STN INTERNATIONAL LOGOFF AT 11:58:36 ON 08 JAN 2008